

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE2004/001704

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	C12P21/00	C07K1/107	C07K5/12	C07K7/06	C07K7/50
	C07K7/64	A61K38/12			

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12P C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CAB Data, Sequence Search, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/05815 A (LILLY CO ELI ; KREUZMAN ADAM JOSEPH (US); KULANTHAIVEL PALANIAPPAN (US) 25 January 2001 (2001-01-25) claims 1-11	15
X	WO 02/085401 A (HONG TERESA B ; WARING ALAN J (US); LEHRER ROBERT I (US); UNIV CALIFOR) 31 October 2002 (2002-10-31) page 15, line 9 - page 18, line 5; claims 1-19	15
A	US 2002/192773 A1 (MARAHEIL MOHAMMED A ET AL) 19 December 2002 (2002-12-19) cited in the application the whole document	-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the International search report

10 November 2004

23/11/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KOHLI RAHUL M ET AL: "Generality of peptide cyclization catalyzed by isolated thioesterase domains of nonribosomal peptide synthetases" BIOCHEMISTRY, vol. 40, no. 24, 19 June 2001 (2001-06-19), pages 7099-7108, XP002304805 ISSN: 0006-2960 the whole document -----	
A	TSENG CLAIRE C ET AL: "Characterization of the surfactin synthetase C-terminal thioesterase domain as a cyclic depsipeptide synthase." BIOCHEMISTRY, vol. 41, no. 45, 12 November 2002 (2002-11-12), pages 13350-13359, XP002304806 ISSN: 0006-2960 the whole document -----	
A	KEATING T A ET AL: "Chain termination steps in nonribosomal peptide synthetase assembly lines: directed acyl-S-enzyme breakdown in antibiotic and siderophore biosynthesis." CHEMBIOCHEM : A EUROPEAN JOURNAL OF CHEMICAL BIOLOGY. 2 FEB 2001, vol. 2, no. 2, 2 February 2001 (2001-02-02), pages 99-107, XP002304807 ISSN: 1439-4227 the whole document -----	
A	WO 98/28434 A (SCRIPPS RESEARCH INST ; BARK STEVEN J (US); CANNE LYNNE (US); DAWSON P) 2 July 1998 (1998-07-02) cited in the application the whole document -----	
A	WO 96/34878 A (SCRIPPS RESEARCH INST ; DAWSON PHILIP E (US); MUIR TOM W (US); KENT ST) 7 November 1996 (1996-11-07) cited in the application the whole document -----	
		-/-

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	GRUENEWALD JAN ET AL: "Chemo- and regioselective peptide cyclization triggered by the N-terminal fatty acid chain length: The recombinant cyclase of the calcium-dependent antibiotic from <i>Streptomyces coelicolor</i> ." <i>BIOCHEMISTRY</i> , vol. 43, no. 10, 16 March 2004 (2004-03-16), pages 2915-2925, XP002304808 ISSN: 0006-2960 the whole document -----	1-16

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0105815	A	25-01-2001	AU BR CA CN EP HU JP MX NO WO	5310600 A 0012481 A 2378868 A1 1361791 T 1198471 A1 0202315 A2 2003505042 T PA02000458 A 20020183 A 0105815 A1	05-02-2001 02-04-2002 25-01-2001 31-07-2002 24-04-2002 28-10-2002 12-02-2003 02-07-2002 13-03-2002 25-01-2001
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